Sven Hofling

List of Publications by Year
in descending order

675	21,176	14614 66	18606 119
papers	citations	h-index	g-index

682	682	682	12915
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On-Demand Single Photons with High Extraction Efficiency and Near-Unity Indistinguishability from a Resonantly Driven Quantum Dot in a Micropillar. Physical Review Letters, 2016, 116, 020401.	2.9	675
2	Introduction to the Special Issue on Semiconductor Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-3.	1.9	539
3	On-demand semiconductor single-photon source with near-unity indistinguishability. Nature Nanotechnology, 2013, 8, 213-217.	15.6	444
4	Quantum-dot spinâ€"photon entanglement via frequency downconversion to telecom wavelength. Nature, 2012, 491, 421-425.	13.7	423
5	Observation of non-Hermitian degeneracies in a chaotic exciton-polariton billiard. Nature, 2015, 526, 554-558.	13.7	422
6	An electrically pumped polariton laser. Nature, 2013, 497, 348-352.	13.7	420
7	Exciton-polariton topological insulator. Nature, 2018, 562, 552-556.	13.7	365
8	High-efficiency multiphoton boson sampling. Nature Photonics, 2017, 11, 361-365.	15.6	330
9	Boson Sampling with 20 Input Photons and a 60-Mode Interferometer in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:msup><mml:mn>0</mml:mn><mml:mn>14</mml:mn></mml:msup></mml:math>-Dimer Hilbert Space. Physical Review Letters, 2019, 123, 250503.	2.9	313
10	Ultrafast optical spin echo in a single quantum dot. Nature Photonics, 2010, 4, 367-370.	15.6	298
11	Towards optimal single-photon sources from polarized microcavities. Nature Photonics, 2019, 13, 770-775.	15.6	290
12	AlAsâˆ•GaAs micropillar cavities with quality factors exceeding 150.000. Applied Physics Letters, 2007, 90, 251109.	1.5	278
13	Two-dimensional semiconductors in the regime of strong light-matter coupling. Nature Communications, 2018, 9, 2695.	5.8	256
14	Waveguide superconducting single-photon detectors for integrated quantum photonic circuits. Applied Physics Letters, 2011, 99, .	1.5	251
15	Observation of Bogoliubov excitations in exciton-polariton condensates. Nature Physics, 2008, 4, 700-705.	6.5	245
16	Interband cascade lasers. Journal Physics D: Applied Physics, 2015, 48, 123001.	1.3	222
17	On-Demand Semiconductor Source of Entangled Photons Which Simultaneously Has High Fidelity, Efficiency, and Indistinguishability. Physical Review Letters, 2019, 122, 113602.	2.9	219
18	Room-temperature Tamm-plasmon exciton-polaritons with a WSe2 monolayer. Nature Communications, 2016, 7, 13328.	5.8	214

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19	Ultrafast coherent control and suppressed nuclear feedback of a single quantum dot hole qubit. Nature Physics, 2011, 7, 872-878.	6.5	205
20	Direct observation of correlations between individual photon emission events of a microcavity laser. Nature, 2009, 460, 245-249.	13.7	194
21	Single vortexâ€“antivortex pair in an exciton-polariton condensate. Nature Physics, 2011, 7, 129-133.	6.5	192
22	Waveguide Nanowire Superconducting Single-Photon Detectors Fabricated on GaAs and the Study of Their Optical Properties. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-10.	1.9	188
23	Electrically driven quantum dot-micropillar single photon source with 34% overall efficiency. Applied Physics Letters, 2010, 96, .	1.5	176
24	GaAs integrated quantum photonics: Towards compact and multiâ€functional quantum photonic integrated circuits. Laser and Photonics Reviews, 2016, 10, 870-894.	4.4	165
25	Non-resonant dotâ€“cavity coupling and its potential for resonant single-quantum-dot spectroscopy. Nature Photonics, 2009, 3, 724-728.	15.6	163
26	An exciton-polariton laser based on biologically produced fluorescent protein. Science Advances, 2016, 2, e1600666.	4.7	159
27	Exciton-polariton trapping and potential landscape engineering. Reports on Progress in Physics, 2017, 80, 016503.	8.1	157
28	Near-Transform-Limited Single Photons from an Efficient Solid-State Quantum Emitter. Physical Review Letters, 2016, 116, 213601.	2.9	150
29	Towards polariton blockade of confined excitonâ€“polaritons. Nature Materials, 2019, 18, 219-222.	13.3	146
30	Highly indistinguishable on-demand resonance fluorescence photons from a deterministic quantum dot micropillar device with 74% extraction efficiency. Optics Express, 2016, 24, 8539.	1.7	143
31	Up on the Jaynesâ€“Cummings ladder of a quantum-dot/microcavity system. Nature Materials, 2010, 9, 304-308.	13.3	138
32	Electrically driven high-Q quantum dot-micropillar cavities. Applied Physics Letters, 2008, 92, .	1.5	135
33	Dynamical d-wave condensation of excitonâ€“polaritons in a two-dimensional square-lattice potential. Nature Physics, 2011, 7, 681-686.	6.5	134
34	Deterministic and Robust Generation of Single Photons from a Single Quantum Dot with 99.5% Indistinguishability Using Adiabatic Rapid Passage. Nano Letters, 2014, 14, 6515-6519.	4.5	129
35	Time-Bin-Encoded Boson Sampling with a Single-Photon Device. Physical Review Letters, 2017, 118, 190501.	2.9	123
36	Giant photon bunching, superradiant pulse emission and excitation trapping in quantum-dot nanolasers. Nature Communications, 2016, 7, 11540.	5.8	120

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37	Signatures of a dissipative phase transition in photon correlation measurements. Nature Physics, 2018, 14, 365-369.	6.5	120
38	Polarization-independent active metamaterial for high-frequency terahertz modulation. Optics Express, 2009, 17, 819.	1.7	116
39	Photonic crystal cavity based gas sensor. Applied Physics Letters, 2008, 92, .	1.5	113
40	Voltage Fluctuation to Current Converter with Coulomb-Coupled Quantum Dots. Physical Review Letters, 2015, 114, 146805.	2.9	113
41	Power-law decay of the spatial correlation function in exciton-polariton condensates. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6467-6472.	3.3	112
42	Gallium arsenide (GaAs) quantum photonic waveguide circuits. Optics Communications, 2014, 327, 49-55.	1.0	98
43	Excitonâ€“polariton condensates with flat bands in a two-dimensional kagome lattice. New Journal of Physics, 2012, 14, 065002.	1.2	97
44	Toward Scalable Boson Sampling with Photon Loss. Physical Review Letters, 2018, 120, 230502.	2.9	97
45	Lithographic alignment to site-controlled quantum dots for device integration. Applied Physics Letters, 2008, 92, .	1.5	96
46	Polarized Nonequilibrium Bose-Einstein Condensates of Spinor Exciton Polaritons in a Magnetic Field. Physical Review Letters, 2010, 105, 256401.	2.9	92
47	Low threshold electrically pumped quantum dot-micropillar lasers. Applied Physics Letters, 2008, 93, .	1.5	90
48	Creation of Orbital Angular Momentum States with Chiral Polaritonic Lenses. Physical Review Letters, 2014, 113, 200404.	2.9	89
49	Optical valley Hall effect for highly valley-coherent exciton-polaritons in an atomically thin semiconductor. Nature Nanotechnology, 2019, 14, 770-775.	15.6	87
50	Single photon emission from a site-controlled quantum dot-micropillar cavity system. Applied Physics Letters, 2009, 94, 111111.	1.5	86
51	Cascaded emission of single photons from the biexciton in monolayered WSe2. Nature Communications, 2016, 7, 13409.	5.8	86
52	Quantum-dot-induced phase shift in a pillar microcavity. Physical Review A, 2011, 84, .	1.0	80
53	Quantum key distribution using quantum dot single-photon emitting diodes in the red and near infrared spectral range. New Journal of Physics, 2012, 14, 083001.	1.2	80
54	Topological insulator vertical-cavity laser array. Science, 2021, 373, 1514-1517.	6.0	80

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55	Emission from quantum-dot high-Î² microcavities: transition from spontaneous emission to lasing and the effects of superradiant emitter coupling. Light: Science and Applications, 2017, 6, e17030-e17030.	7.7	79
56	Spontaneous Emission Enhancement in Strain-Induced WSe₂ Monolayer-Based Quantum Light Sources on Metallic Surfaces. ACS Photonics, 2018, 5, 1919-1926.	3.2	78
57	Single photon emission from positioned GaAs/AlGaAs photonic nanowires. Applied Physics Letters, 2010, 96, 211117.	1.5	77
58	Zero-dimensional polariton laser in a subwavelength grating-based vertical microcavity. Light: Science and Applications, 2014, 3, e135-e135.	7.7	75
59	Laser mode feeding by shaking quantum dots in a planar microcavity. Nature Photonics, 2012, 6, 30-34.	15.6	74
60	Interband cascade lasers with room temperature threshold current densities below 100 A/cm2. Applied Physics Letters, 2013, 102, .	1.5	72
61	Single site-controlled In(Ga)As/GaAs quantum dots: growth, properties and device integration. Nanotechnology, 2009, 20, 434012.	1.3	71
62	Strain-Tunable Single Photon Sources in WSe₂ Monolayers. Nano Letters, 2019, 19, 6931-6936.	4.5	71
63	Demonstration of strong coupling via electro-optical tuning in high-quality QD-micropillar systems. Optics Express, 2008, 16, 15006.	1.7	70
64	Physics and applications of excitonâ€“polariton lasers. Nature Materials, 2016, 15, 1049-1052.	13.3	70
65	Control of the Strong Light-Matter Interaction between an Elongated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>In</mml:mi><mml:mn>0.3</mml:mn></mml:msub><mml:msub><mml:mi>Ga</mml:mi><mm Dot and a Micropillar Cavity Using External Magnetic Fields. Physical Review Letters, 2009, 103, 127401.	2.9	69
66	Observing chaos for quantum-dot microlasers with external feedback. Nature Communications, 2011, 2, 366.	5.8	68
67	From polariton condensates to highly photonic quantum degenerate states of bosonic matter. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1804-1809.	3.3	68
68	Gain-Induced Trapping of Microcavity Exciton Polariton Condensates. Physical Review Letters, 2010, 104, 126403.	2.9	66
69	Sensing of formaldehyde using a distributed feedback interband cascade laser emitting around 3493Ânm. Applied Optics, 2012, 51, 6009.	0.9	66
70	Waveguide photon-number-resolving detectors for quantum photonic integrated circuits. Applied Physics Letters, 2013, 103, .	1.5	66
71	Bloch-Wave Engineering of Quantum Dot Micropillars for Cavity Quantum Electrodynamics Experiments. Physical Review Letters, 2012, 108, 057402.	2.9	63
72	Overcoming power broadening of the quantum dot emission in a pure wurtzite nanowire. Physical Review B, 2016, 93, .	1.1	63

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73	Deterministic implementation of a bright, on-demand single-photon source with near-unity indistinguishability via quantum dot imaging. Optica, 2017, 4, 802.	4.8	63
74	Narrow spectral linewidth from single site-controlled In(Ga)As quantum dots with high uniformity. Applied Physics Letters, 2011, 98, .	1.5	61
75	Monolithic frequency comb platform based on interband cascade lasers and detectors. Optica, 2019, 6, 890.	4.8	61
76	Indistinguishable Tunable Single Photons Emitted by Spin-Flip Raman Transitions in InGaAs Quantum Dots. Physical Review Letters, 2013, 111, 237403.	2.9	60
77	An electrically driven cavity-enhanced source of indistinguishable photons with 61% overall efficiency. APL Photonics, 2016, 1, .	3.0	60
78	Polariton condensation in <i>S</i>- and <i>P</i>-flatbands in a two-dimensional Lieb lattice. Applied Physics Letters, 2017, 111, .	1.5	59
79	Mid-infrared semiconductor heterostructure lasers for gas sensing applications. Semiconductor Science and Technology, 2011, 26, 014032.	1.0	58
80	A polariton condensate in a photonic crystal potential landscape. New Journal of Physics, 2015, 17, 023001.	1.2	58
81	Coherently driving a single quantum two-level system with dichromatic laser pulses. Nature Physics, 2019, 15, 941-946.	6.5	58
82	Downconversion quantum interface for a single quantum dot spin and 1550-nm single-photon channel. Optics Express, 2012, 20, 27510.	1.7	57
83	Quantum Interference between Light Sources Separated by 150 Million Kilometers. Physical Review Letters, 2019, 123, 080401.	2.9	57
84	Characterization of two-threshold behavior of the emission from a GaAs microcavity. Physical Review B, 2012, 85, .	1.1	56
85	Two-photon interference from remote quantum dots with inhomogeneously broadened linewidths. Physical Review B, 2014, 89, .	1.1	56
86	Room temperature organic excitonâ€“polariton condensate in a lattice. Nature Communications, 2020, 11, 2863.	5.8	56
87	Bosonic condensation of excitonâ€“polaritons in an atomically thin crystal. Nature Materials, 2021, 20, 1233-1239.	13.3	56
88	Excitonâ€“polariton condensates near the Dirac point in a triangular lattice. New Journal of Physics, 2013, 15, 035032.	1.2	55
89	Quantum frequency conversion of a quantum dot single-photon source on a nanophotonic chip. Optica, 2019, 6, 563.	4.8	55
90	Continuous wave single mode operation of GaInAsSbâˆ•GaSb quantum well lasers emitting beyond 3Î¼m. Applied Physics Letters, 2008, 92, 183508.	1.5	54

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91	Onâ€Chip Quantum Optics with Quantum Dot Microcavities. Advanced Materials, 2013, 25, 707-710.	11.1	54
92	Circularly polarized light emission from chiral spatially-structured planar semiconductor microcavities. Physical Review B, 2014, 89, .	1.1	54
93	Algebraic order and the Berezinskii-Kosterlitz-Thouless transition in an exciton-polariton gas. Physical Review B, 2014, 90, .	1.1	53
94	Pulsed Nuclear Pumping and Spin Diffusion in a Single Charged Quantum Dot. Physical Review Letters, 2010, 105, 107401.	2.9	51
95	Intensity fluctuations in bimodal micropillar lasers enhanced by quantum-dot gain competition. Physical Review A, 2013, 87, .	1.0	51
96	Fourier Transformed Photoreflectance and Photoluminescence of Mid Infrared GaSb-Based Type II Quantum Wells. Applied Physics Express, 2009, 2, 126505.	1.1	50
97	Enhanced spontaneous emission from quantum dots in short photonic crystal waveguides. Applied Physics Letters, 2012, 100, 061122.	1.5	50
98	Monolayered MoSe ₂ : a candidate for room temperature polaritonics. 2D Materials, 2017, 4, 015006.	2.0	50
99	Directional whispering gallery mode emission from LimaÃ§on-shaped electrically pumped quantum dot micropillar lasers. Applied Physics Letters, 2012, 101, .	1.5	49
100	Microcavity controlled coupling of excitonic qubits. Nature Communications, 2013, 4, 1747.	5.8	49
101	Observation of bosonic condensation in a hybrid monolayer MoSe2-GaAs microcavity. Nature Communications, 2018, 9, 3286.	5.8	49
102	Realization of all-optical vortex switching in exciton-polariton condensates. Nature Communications, 2020, 11, 897.	5.8	49
103	Temperature-Dependent Mollow Triplet Spectra from a Single Quantum Dot: Rabi Frequency Renormalization and Sideband Linewidth Insensitivity. Physical Review Letters, 2014, 113, 097401.	2.9	48
104	All-optical flow control of a polariton condensate using nonresonant excitation. Physical Review B, 2015, 91, .	1.1	48
105	Quantum-Dot Single-Photon Sources for Entanglement Enhanced Interferometry. Physical Review Letters, 2017, 118, 257402.	2.9	48
106	Influence of doping density on electron dynamics in GaAsâˆ•AlGaAs quantum cascade lasers. Journal of Applied Physics, 2006, 99, 103106.	1.1	47
107	Universal and reconfigurable logic gates in a compact three-terminal resonant tunneling diode. Applied Physics Letters, 2010, 96, .	1.5	47
108	Microcavity enhanced single photon emission from an electrically driven site-controlled quantum dot. Applied Physics Letters, 2012, 100, .	1.5	47

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109	Dynamically Controlled Resonance Fluorescence Spectra from a Doubly Dressed Single InGaAs Quantum Dot. Physical Review Letters, 2015, 114, 097402.	2.9	47
110	Coherent Polariton Laser. Physical Review X, 2016, 6, .	2.8	47
111	Bright single photon source based on self-aligned quantum dotâ€“cavity systems. Optics Express, 2014, 22, 8136.	1.7	46
112	Quantum dot micropillar cavities with quality factors exceeding 250,000. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	46
113	Logical Stochastic Resonance with a Coulomb-Coupled Quantum-Dot Rectifier. Physical Review Applied, 2015, 4, .	1.5	45
114	Mode-switching induced super-thermal bunching in quantum-dot microlasers. New Journal of Physics, 2016, 18, 063011.	1.2	45
115	Collective state transitions of exciton-polaritons loaded into a periodic potential. Physical Review B, 2016, 93, .	1.1	45
116	Charged quantum dot micropillar system for deterministic light-matter interactions. Physical Review B, 2016, 93, .	1.1	45
117	Scalable fabrication of optical resonators with embedded site-controlled quantum dots. Optics Letters, 2008, 33, 1759.	1.7	44
118	Monomode Interband Cascade Lasers at 5.2 $mu{m m}$ for Nitric Oxide Sensing. IEEE Photonics Technology Letters, 2014, 26, 480-482.	1.3	44
119	Single photon emission at 1.55â€‰Î¼m from charged and neutral exciton confined in a single quantum dash. Applied Physics Letters, 2014, 105, 021909.	1.5	43
120	Extending Quantum Links: Modules for Fiberâ€•and Memoryâ€Based Quantum Repeaters. Advanced Quantum Technologies, 2020, 3, 1900141.	1.8	43
121	Near-Unity Indistinguishability Single Photon Source for Large-Scale Integrated Quantum Optics. Physical Review Letters, 2019, 122, 173602.	2.9	42
122	Coherence and Interaction in Confined Room-Temperature Polariton Condensates with Frenkel Excitons. ACS Photonics, 2020, 7, 384-392.	3.2	42
123	Effect of Coulomb interaction on exciton-polariton condensates in GaAs pillar microcavities. Physical Review B, 2011, 84, .	1.1	41
124	Room temperature, continuous wave lasing in microcylinder and microring quantum dot laser diodes. Applied Physics Letters, 2012, 100, .	1.5	41
125	Polariton multistability and fast linear-to-circular polarization conversion in planar microcavities with lowered symmetry. Applied Physics Letters, 2013, 102, 011104.	1.5	41
126	Free space quantum key distribution over 500 meters using electrically driven quantum dot single-photon sourcesâ€"a proof of principle experiment. New Journal of Physics, 2014, 16, 043003.	1.2	41

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127	Electro optical tuning of Tamm-plasmon exciton-polaritons. Applied Physics Letters, 2014, 105, 181107.	1.5	40
128	Zeeman splitting and diamagnetic shift of spatially confined quantum-well exciton polaritons in an external magnetic field. Physical Review B, 2011, 84, .	1.1	39
129	Single photon emission from InGaN/GaN quantum dots up to 50â€‰K. Applied Physics Letters, 2012, 100, .	1.5	39
130	Spatial Coherence Properties of One Dimensional Exciton-Polariton Condensates. Physical Review Letters, 2014, 113, 203902.	2.9	39
131	Ultrafast tracking of second-order photon correlations in the emission of quantum-dot microresonator lasers. Physical Review B, 2010, 81, .	1.1	38
132	Higher order coherence of exciton-polariton condensates. Physical Review B, 2010, 81, .	1.1	38
133	Carrier trapping and luminescence polarization in quantum dashes. Physical Review B, 2012, 85, .	1.1	38
134	Anomalies of a Nonequilibrium Spinor Polariton Condensate in a Magnetic Field. Physical Review Letters, 2014, 112, 093902.	2.9	38
135	Single-photon emission of InAs/InP quantum dashes at 1.55â€‰<i>Î¼</i>m and temperatures up to 80â€‰K. Applied Physics Letters, 2016, 108, .	1.5	38
136	Observation of hybrid Tamm-plasmon exciton- polaritons with GaAs quantum wells and a MoSe2 monolayer. Nature Communications, 2017, 8, 259.	5.8	38
137	Numerical and Experimental Study of the Q Factor of High-Q Micropillar Cavities. IEEE Journal of Quantum Electronics, 2010, 46, 1470-1483.	1.0	37
138	Single mode interband cascade lasers based on lateral metal gratings. Applied Physics Letters, 2014, 105, .	1.5	37
139	Lasing from active optomechanical resonators. Nature Communications, 2014, 5, 4038.	5.8	37
140	InAs-based interband-cascade-lasers emitting around 7â€‰<i>Î¼</i>m with threshold current densities below 1â€‰kA/cm2 at room temperature. Applied Physics Letters, 2015, 106, .	1.5	37
141	Electro-Photo-Sensitive Memristor for Neuromorphic and Arithmetic Computing. Physical Review Applied, 2016, 5, .	1.5	37
142	Controlling circular polarization of light emitted by quantum dots using chiral photonic crystal slabs. Physical Review B, 2015, 92, .	1.1	36
143	Sensitivity of resonant tunneling diode photodetectors. Nanotechnology, 2016, 27, 355202.	1.3	36
144	Cavity-enhanced simultaneous dressing of quantum dot exciton and biexciton states. Physical Review B, 2016, 93, .	1.1	36

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145	Valley polarized relaxation and upconversion luminescence from Tamm-plasmon trionâ€“polaritons with a MoSe ₂ monolayer. 2D Materials, 2017, 4, 025096.	2.0	36
146	Purcell-Enhanced Single Photon Source Based on a Deterministically Placed WSe₂ Monolayer Quantum Dot in a Circular Bragg Grating Cavity. Nano Letters, 2021, 21, 4715-4720.	4.5	36
147	Tapered quantum cascade lasers. Applied Physics Letters, 2007, 91, 181122.	1.5	35
148	Shortened injector interband cascade lasers for 3.3- to 3.6-Î¼m emission. Optical Engineering, 2010, 49, 111117.	0.5	35
149	Light sensitive memristor with bi-directional and wavelength-dependent conductance control. Applied Physics Letters, 2016, 109, .	1.5	35
150	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. Physical Review Letters, 2017, 119, 060501.	2.9	35
151	Observation of macroscopic valley-polarized monolayer exciton-polaritons at room temperature. Physical Review B, 2017, 96, .	1.1	35
152	The interplay between excitons and trions in a monolayer of MoSe2. Applied Physics Letters, 2018, 112, .	1.5	35
153	Purcell-Enhanced and Indistinguishable Single-Photon Generation from Quantum Dots Coupled to On-Chip Integrated Ring Resonators. Nano Letters, 2020, 20, 6357-6363.	4.5	35
154	Whispering gallery mode lasing in electrically driven quantum dot micropillars. Applied Physics Letters, 2010, 97, .	1.5	34
155	Quantum efficiency and oscillator strength of site-controlled InAs quantum dots. Applied Physics Letters, 2010, 96, .	1.5	34
156	Dynamics of excitons in individual InAs quantum dots revealed in four-wave mixing spectroscopy. Optica, 2016, 3, 377.	4.8	34
157	Multi-wave coherent control of a solid-state single emitter. Nature Photonics, 2016, 10, 155-158.	15.6	34
158	Experimental and theoretical analysis of Landauer erasure in nano-magnetic switches of different sizes. Nano Energy, 2016, 19, 108-116.	8.2	34
159	Linewidth broadening and emission saturation of a resonantly excited quantum dot monitored via an off-resonant cavity mode. Physical Review B, 2010, 82, .	1.1	33
160	Exciton and biexciton dynamics in single self-assembled InAs/InGaAlAs/InP quantum dash emitting near 1.55â€‰<i>Î¼</i>m. Applied Physics Letters, 2013, 103, .	1.5	33
161	Strain-driven growth of GaAs(111) quantum dots with low fine structure splitting. Applied Physics Letters, 2014, 105, .	1.5	33
162	Single-mode interband cascade lasers emitting below 2.8â€‰<i>Î¼</i>m. Applied Physics Letters, 2015, 106, .	1.5	33

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163	Experimental Verification of the Very Strong Coupling Regime in a GaAs Quantum Well Microcavity. Physical Review Letters, 2017, 119, 027401.	2.9	33
164	Deterministic coupling of quantum emitters in WSe₂ monolayers to plasmonic nanocavities. Optics Express, 2018, 26, 25944.	1.7	33
165	Emission wavelength tuning of interband cascade lasers in the 3â€“4â€‚Î¼m spectral range. Applied Physics Letters, 2009, 95, .	1.5	32
166	Widely tunable, efficient on-chip single photon sources at telecommunication wavelengths. Optics Express, 2012, 20, 21758.	1.7	32
167	GaAs/AlGaAs resonant tunneling diodes with a GaInNAs absorption layer for telecommunication light sensing. Applied Physics Letters, 2012, 100, 172113.	1.5	32
168	Cavity-enhanced resonant tunneling photodetector at telecommunication wavelengths. Applied Physics Letters, 2014, 104, 101109.	1.5	32
169	Nonlinear photoluminescence spectra from a quantum-dotâ€“cavity system: Interplay of pump-induced stimulated emission and anharmonic cavity QED. Physical Review B, 2010, 81, .	1.1	31
170	Complete tomography of a high-fidelity solid-state entangled spinâ€“photon qubit pair. Nature Communications, 2013, 4, 2228.	5.8	31
171	Two-photon interference at telecom wavelengths for time-bin-encoded single photons from quantum-dot spin qubits. Nature Communications, 2015, 6, 8955.	5.8	31
172	Electrically Tunable Single-Photon Source Triggered by a Monolithically Integrated Quantum Dot Microlaser. ACS Photonics, 2017, 4, 790-794.	3.2	31
173	Platform for Electrically Pumped Polariton Simulators and Topological Lasers. Physical Review Letters, 2018, 121, 257402.	2.9	31
174	Exploring the Photon-Number Distribution of Bimodal Microlasers with a Transition Edge Sensor. Physical Review Applied, 2018, 9, .	1.5	31
175	Widely tunable quantum cascade lasers with coupled cavities for gas detection. Applied Physics Letters, 2010, 97, .	1.5	30
176	Substrate orientation dependent fine structure splitting of symmetric In(Ga)As/GaAs quantum dots. Applied Physics Letters, 2012, 101, .	1.5	30
177	Stochastic formation of polariton condensates in two degenerate orbital states. Physical Review B, 2013, 87, .	1.1	30
178	Two-photon interference from a quantum dot microcavity: Persistent pure dephasing and suppression of time jitter. Physical Review B, 2015, 91, .	1.1	30
179	Optical bistability in electrically driven polariton condensates. Physical Review B, 2015, 91, .	1.1	30
180	Excitons in Bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></r Displaying a Colossal Electric Field Splitting and Tunable Magnetic Response. Physical Review Letters, 2021, 126, 037401.	2.9	30

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181	The role of optical excitation power on the emission spectra of a strongly coupled quantum dot-micropillar system. Optics Express, 2009, 17, 12821.	1.7	29
182	Exciton spin state mediated photon-photon coupling in a strongly coupled quantum dot microcavity system. Physical Review B, 2010, 82, .	1.1	29
183	Enhanced single photon emission from positioned InP/GaInP quantum dots coupled to a confined Tamm-plasmon mode. Applied Physics Letters, 2015, 106, .	1.5	29
184	Talbot Effect for Exciton Polaritons. Physical Review Letters, 2016, 117, 097403.	2.9	29
185	Integration of atomically thin layers of transition metal dichalcogenides into high-Q, monolithic Bragg-cavities: an experimental platform for the enhancement of the optical interaction in 2D-materials. Optical Materials Express, 2019, 9, 598.	1.6	29
186	Spontaneous emission control of single quantum dots by electromechanical tuning of a photonic crystal cavity. Applied Physics Letters, 2012, 101, 091106.	1.5	28
187	Half-skyrmion spin textures in polariton microcavities. Physical Review B, 2016, 94, .	1.1	28
188	Photon echo transients from an inhomogeneous ensemble of semiconductor quantum dots. Physical Review B, 2016, 93, .	1.1	28
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